Susan K. Avery

Susan K. Avery is the Director of the Cooperative Institute for Research in Environmental Sciences (CIRES) and Professor of Electrical and Computer Engineering at the University of Colorado. As director, Avery oversees a diverse and rich research agenda in Earth System Science. She has helped form a regional integrated science and assessment program that examines the impacts of climate variability on water in the interior west. Currently she is on sabbatical study leave working with NOAA and the Climate Change Science Program in Washington, DC.

Avery also has served on a number of national committees and boards. Currently she serves as the Union of Radio Science Representative to the international Scientific Committee on Solar Terrestrial Physics; on the American Geophysical Union committee on education and human resources; as a member of various panels of the National Research Council; and as a member of the National Association of State Universities and Land Grant Colleges Board on Oceans and Atmospheres. She is a Fellow in the Institute of Electrical and Electronics Engineers and the American Meteorological Society and is President-Elect of the AMS.

Avery has earned numerous awards including the University of Colorado Robert L. Stearns Award, recognition for exceptional achievement and/or service; the Elizabeth Gee Memorial Lectureship Award for scholarly contributions, distinguished teaching and advancing women in the academic community; and the Margaret Willard Award, University Women's Club, for her outstanding contributions to the University of Colorado at Boulder.

Avery received her Ph.D. from the University of Illinois in 1978. Her personal research expertise is in using Doppler radar techniques for observing physical processes in the atmosphere. She is currently studying the impact of wind profiler data on numerical weather products; characterization of the structure and evolution of upper atmosphere wave motions using meteor radar techniques; tropical wave propagation; and precipitation structure using multi-frequency radar measurements. She is the author of over 75 publications in the refereed literature. Avery's teaching includes courses in radar science and techniques, geophysical data analysis, and policy responses to climate variability.